

MARINE RECREATIONAL INFORMATION PROGRAM

FY 2010 Project Plan

National-Level Recreational Fisheries Query

Information Management Team

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Table of Contents

1	Project Description	3
1.1	Background.....	3
1.2	Objectives	3
2	Project Plan	4
2.1	Final Deliverables	4
2.2	Work Breakdown Structure and Schedule	5
2.3	Project Team	5
2.4	Project Risks	6
2.5	Communications Plan	7
3	Budget	7
3.1	Cost Estimates.....	7

1 Project Description

1.1 Background

The NMFS annual publication *Fisheries of the United States* (FUS) is a report on recreational and commercial fisheries with landings from the U.S. territorial seas, the U.S. Exclusive Economic Zone (EEZ), and on the high seas. In order to produce this report, the NMFS Fisheries Statistics Division annually collects and compiles the required recreational fishing statistics, in cooperation with various States and Interstate Fisheries Commissions. These data are tabulated and prepared for publication. Other than FUS, there is no source available that summarizes these data sources in one place. The FUS report is only updated annually, and may not provide a current picture of National recreational fisheries data.

In their *Review of Recreational Fisheries Survey Methods*, the National Research Council (NRC) identified several responsibilities for NOAA Fisheries in the development of a national statistical program, including: “Maintenance of a central data warehouse for marine recreational fisheries and development of appropriate dissemination tools.” The NRC suggested that, “a greater degree of coordination between federal, state and other survey programs is necessary to achieve the national perspective on marine recreational fisheries that is needed.”

1.2 Objectives

A National-level recreational fisheries query (hereafter referred to as “National Query”) will be achieved through seamless integration with the existing Fisheries Information Networks in order to fully leverage the valuable work already being done at the state and regional levels and to ensure maximum inclusion of target data. The final product will be a publicly accessible website that provides tools for accessing and summarizing current National-level recreational fisheries data.

The Information Management Team will collaborate with Fisheries Information System (FIS) project team members in order to incorporate the work and system functionality produced through FIS projects. Specifically, the National Query will be accomplished with the goal of being seamlessly incorporated into the Fisheries One Stop Shop (FOSS) once that system is available. The database for the National Query will be developed as a precursor to the recreational portion of FOSS.

Regional Fisheries Information Networks will continue to warehouse regional data and respond to regional council, state and management needs. The National Query will provide the national perspective that was recommended by the NRC and a central warehouse for data access.

2 Project Plan

2.1 Final Deliverables

The final product will be a publicly accessible website that provides tools for accessing and summarizing National-level recreational fisheries data. These data will match those reported in FUS, but will be updated as revised data are made available. At a minimum, queries will be provided to mirror the following FUS tables: harvest by species, harvest by distance-from-shore and species group, harvest and releases by species group, total harvest and releases by state, and number of anglers and trips by state. Additionally, the queries will allow the user to subset states (or other attributes) of interest, unlike the static FUS tables. Results can be presented onscreen as tables, charts or graphs, or output as CSV for download. The tables and database links will be directly portable to the FOSS system, and will be utilized there when that system is functional (expected completion date of FOSS is ~2012).

The technology used to develop the query will include a set of SAS Integration Technology services: metadata server, object spawner, and remote services. These servers/services are all administered using the SAS Management Console. A subordinate server, the stored process server is another critical component of the system. Using SAS for the infrastructure leverages the analytic and reporting powers of SAS to process and present the data. The SAS software will run on a dedicated Linux server using JBoss application server.

2.2 Work Breakdown Structure and Schedule

Table 1: Project Schedule – Deliverables, Sub-Deliverables, and Activities

ID	Activity Description	Planned Start	Planned Finish	Responsible Party	Prerequisite Activities
1	Create/identify regional tables				
1a	Texas data (via GSMFC)	3/31/10	Done	TPWD	
1b	Alaska data (via AKFIN)	5/15/10	Done	ADF&G	
1c	Pacific Coast data (via PSMFC)	5/15/10	Done	PSMFC	
1d	Southeast Regional Headboat data		12/31/10	SEFSC	
1e	Atlantic Coast data		Done	S&T	
1f	Gulf Coast data		Done	S&T	
2	Configure dblinks with partners				
2a	Texas data	3/31/10	Done	GSMFC, S&T	
2b	Alaska data	3/31/10	Done	AKFIN, S&T	
2c	Pacific Coast data	4/28/10	Done	PSMFC, S&T	
2d	Southeast Regional Headboat data		12/31/10	SEFSC, S&T	
3	Load full time series to regional tables				
3a	Texas data	5/15/10	Done	GSMFC	1a, 2a
3b	Alaska data	8/15/10	9/15/10	AKFIN	1b, 2b
3c	Pacific Coast data	6/15/10	9/15/10	PSMFC	1c, 2c
3d	Southeast Regional Headboat data		12/31/10	SEFSC	1d, 2d
3e	Atlantic Coast data		Done	S&T	1e
3f	Gulf Coast data		Done	S&T	1f
4	Install SAS Integration Technologies	6/15/10	Done	S&T	
5	Develop interface for National query			S&T	
5a	Using (in house) data	5/15/10	9/15/10	S&T	
5b	Incorporating dblink data thru 2009, match FUS	9/1/10	10/31/10	S&T	1, 2, 3, 4, 5a
5c	Incorporating Southeast Headboat data	9/1/10	1/31/11	S&T	3d, 5b

2.3 Project Team

Table 2: Project Members

Project Role	Name	Responsibilities
Project Sponsor	MRIP IMT	Reviews progress, provide funding and contractual and/or consultant support
Project Manager	Lauren Dolinger Few, S&T	Provide oversight and management of project timelines, milestones and schedules.
Project POC	Lauren Dolinger Few, S&T	Maintain communication with ESC and NMFS leadership

Team Members			
1		Gregg Bray, GSMFC	Gulf Coast data manager
2		Vicki Swann, TPWD	Texas data manager
3		Gretchen Jennings, ADF&G	Alaska data manager
4		Wade Van Buskirk, S&T	Consultant for Pacific Coast data
5		John Foster, S&T	Technical Lead

2.4 Project Risks

Table 3: Risks

Risk Type	Description of Risk	Impact	Probability	Mitigation Approach
General	Lack of cooperation by stakeholders	Incomplete National view of data	10%	Communication both w/i team and w/ESC
Technical	Difficulties in establishing dblinks	Delayed deliverables	10%	Consult other resources for support (CIO, DBAs, etc)
Technical	Difficulty in passing security analysis	Delayed deliverables	25%	Complete “application security worksheet”
Technical	Difficulties in programming interface	Delayed deliverables	10%	Provide support (either by other team members, or contractors) as needed
Staffing	Team members	Delayed	20%	Provide support,

	unable to dedicate enough time to project	deliverables		evaluate priorities
General	Delay of deliverable	Loss of stakeholder interest	10%	Maintain communication with partners to maintain interest

2.5 Communications Plan

IMT meetings will be via telecon, and web/ex as necessary, on an as needed basis (roughly monthly). Communication between individuals outside of meetings to follow up on tasks will be primarily via email and phone. Materials will be posted to MRIP Collaboration Tool. Draft versions of National query will be accessible to team (mechanism TBD). Progress will be reported at least bi-annually to the IMT.

3 Budget

3.1 Cost Estimates

Table 4: Budgeted Costs by Activity

Project Activity/Description	Item Cost	Date Needed	Total
All costs have been covered by existing programs/staff, no additional funds necessary			+
Grand TOTAL			\$ 0.00